



Author Index to Volume 377

- Achiba, Y., see Kodama, T. 377 (2003) 197
Alexandrova, T.Yu., see Kustova, E.V. 377 (2003) 663
Almairac, R., see Glerup, M. 377 (2003) 293
Ammon, Ch., A. Bayer, H.-P. Steinrück and G. Held, Low-temperature partial dissociation of water on Cu(110) 377 (2003) 163
Antonio de Saja, J., see Del Caño, T. 377 (2003) 347
Antypov, D. and D.J. Cleaver, Orientational and phase-coexistence behaviour of hard rod-sphere mixtures 377 (2003) 311
Aranda, A., Y.D. de Mera, D. Rodríguez, A. Rodríguez, B. Cabañas and E. Martínez, Gas-phase reaction of chlorine atoms with acrylonitrile. Temperature and pressure dependence 377 (2003) 571
Arfaj, A., see Gondal, M.A. 377 (2003) 249
Aroca, R.F., see Del Caño, T. 377 (2003) 347
Arvanitidis, J., see Papagelis, K. 377 (2003) 125
Augustyniak-Jabłokow, M.A. and A. Krupska, Plasticity of the isolated $\text{Cu}(\text{H}_2\text{O})_6$ Jahn-Teller complex in the crystal lattice of the ferroelastic $\text{Cs}_2\text{Zn}(\text{ZrF}_6)_2 \cdot 6\text{H}_2\text{O}$ 377 (2003) 137
Ayudhya, N.S.N., see Meesungnoen, J. 377 (2003) 419
Azaïs, P., see Challet, S. 377 (2003) 544
- Balevicius, V. and H. Fuess, Ion induced hypercritical point in tetrahydrofuran/water solutions 377 (2003) 530
Bando, Y., see Zhu, Y.-C. 377 (2003) 367
Bando, Y., see Ma, R. 377 (2003) 177
Bao, N., L. Shen, X. Lu, K. Yanagisawa and X. Feng, Room-temperature syntheses of CdS nanocrystals templated by triblock copolymer in aqueous solution under air condition 377 (2003) 119
Bayer, A., see Ammon, Ch. 377 (2003) 163
Belyaev, A.K., see Wang, W. 377 (2003) 512
Bernier, P., see Glerup, M. 377 (2003) 293
Bhattacharyya, K., see Dutta, P. 377 (2003) 229
Bich, E., see Vesovic, V. 377 (2003) 106
Bildsøe, H., see Giavani, T. 377 (2003) 426
Bitetti-Putzer, R., W. Yang and M. Karplus, Generalized ensembles serve to improve the convergence of free energy simulations 377 (2003) 633
Bock, S., see Vesovic, V. 377 (2003) 106
Botschwina, P. and R. Oswald, Complexes of an argon atom with the linear anions HCC^- and HC_4^- : results of coupled cluster calculations 377 (2003) 156

- Bowman, J.M., see Xu, D. 377 (2003) 582
- Brandão, J. and C.M.A. Rio, Quasiclassical and capture studies on the O (¹D) + H₂ → OH + H reaction using a new potential energy surface for H₂O 377 (2003) 523
- Brédas, J.L., see Sancho-García, J.C. 377 (2003) 63
- Bu, Y., see Sun, L. 377 (2003) 462
- Budde, F., see Hulliger, J. 377 (2003) 340
- Cabañas, B., see Aranda, A. 377 (2003) 571
- Çağın, T., see Molinero, V. 377 (2003) 469
- Cai, Z., see He, M. 377 (2003) 13
- Caldarelli, S., see Gerbaud, G. 377 (2003) 1
- Cao, Z., see Zhu, J. 377 (2003) 184
- Cao, J., see Yang, S. 377 (2003) 399
- Castignolles, M., see Glerup, M. 377 (2003) 293
- Castro, J.L., see López-Tocón, I. 377 (2003) 111
- Cattaneo, S., C. Rouhento, E. Vuorimaa, A. Efimov, H. Lemmetyinen and M. Kauranen, Head-to-tail organization of terthiophene-vinylbenzoate in Langmuir-Blodgett films 377 (2003) 306
- Centeno, S.P., see López-Tocón, I. 377 (2003) 111
- Challet, S., P. Azaïs, R.-M. Pellenq and L. Duclaux, D₂ adsorption in potassium-doped single-wall carbon nanotubes: a neutron diffraction and isotherms study 377 (2003) 544
- Châtelet, M., see Yang, S. 377 (2003) 595
- Chen, Q., see Du, G.H. 377 (2003) 445
- Chen, R., D. Xu, G. Guo and Y. Tang, Electrodeposition of thin films and single-crystalline nanowires of Ag₇Te₄ 377 (2003) 205
- Chiashi, S., see Murakami, Y. 377 (2003) 49
- Chikhaoui, A., see Kustova, E.V. 377 (2003) 663
- Cho, S. and H. Sun, The vibrational structure and predissociation lifetimes of I₂(B)-Ne: VSCF-DWB-IOS approximation 377 (2003) 406
- Choi, W.B., see Kim, H.-M. 377 (2003) 491
- Chung, K.S., see Kim, H.-M. 377 (2003) 491
- Cingel, M., see Denifl, S. 377 (2003) 74
- Cleaver, D.J., see Antypov, D. 377 (2003) 311
- Cornil, J., see Sancho-García, J.C. 377 (2003) 63
- Cui, Y.Z., Q. Fang, H. Lei, G. Xue and W.T. Yu, Syntheses, structures and second-order nonlinear optical properties of octupolar compounds: 2,4,6-tri-substituted *s*-triazine 377 (2003) 507
- Dai, L., see Li, X. 377 (2003) 32
- Daineka, D.V., see Yang, S. 377 (2003) 595
- D'Amore, F., M. Lanata, M.C. Gallazzi and G. Zerbi, Optical properties of a quinoid molecule 377 (2003) 243
- Dastgeer, A., see Gondal, M.A. 377 (2003) 249
- Daturi, M., see Hadjiivanov, K. 377 (2003) 642
- Davies, A.G., see Johnston, M.B. 377 (2003) 256
- de Araújo, C.B., see de S. Menezes, L., 377 (2003) 647
- de Azevedo, W.M., see de S. Menezes, L., 377 (2003) 647

- de S. Menezes, L., C.B. de Araújo, E.H.L. Falcão and W.M. de Azevedo, Intensity-dependent excitonic dephasing in polyaniline 377 (2003) 647
- Del Caño, T., J. Antonio de Saja and R.F. Aroca, Exciplex emission in mixed films of vanadylphthalocyanine and *N,N'*-bis(neopentyl)-3,4,9,10-perylenebis(dicarboximide) 377 (2003) 347
- Denifl, S., S. Ptasinska, M. Cingel, S. Matejcik, P. Scheier and T.D. Märk, Electron attachment to the DNA bases thymine and cytosine 377 (2003) 74
- Dickinson, A.S., see Vesovic, V. 377 (2003) 106
- Dimitriev, O.P. and V.V. Kislyuk, Green luminescence of the europium chloride:dimethylformamide charge-transfer complex 377 (2003) 149
- Dinse, K.-P., see Kobayashi, K. 377 (2003) 93
- Dobashi, S., see Katano, S. 377 (2003) 601
- Domen, K., see Katano, S. 377 (2003) 601
- Doublerly, G.E., K. Nauta and R.E. Miller, The infrared spectrum of acetylene–HF in helium nanodroplets 377 (2003) 384
- Du, D., see Fu, A. 377 (2003) 537
- Du, Z., see Dunne, L.J. 377 (2003) 551
- Du, G.H., Y. Yu, Q. Chen, R.H. Wang, W. Zhou and L.-M. Peng, Exfoliating KTiNbO₅ particles into nanosheets 377 (2003) 445
- Duclaux, L., see Challet, S. 377 (2003) 544
- Dunne, L.J., G. Manos and Z. Du, Exact statistical mechanical one-dimensional lattice model of alkane binary mixture adsorption in zeolites and comparison with Monte-Carlo simulations 377 (2003) 551
- Dutta, P., P. Sen, A. Halder, S. Mukherjee, S. Sen and K. Bhattacharyya, Solvation dynamics in a protein–surfactant complex 377 (2003) 229
- Efimov, A., see Cattaneo, S. 377 (2003) 306
- Ehrlich, S.N., see Mo, H. 377 (2003) 99
- Espinosa-García, J. and A. Márquez Cruz, Theoretical study of the [ClHCl] pre-reactive complex 377 (2003) 613
- Espinosa-García, J., Theoretical enthalpies of formation and C–H bond dissociation enthalpies of *n*-bromopropane and its free radicals 377 (2003) 607
- Fajtlowicz, S. and C.E. Larson, Graph-theoretic independence as a predictor of fullerene stability 377 (2003) 485
- Falcão, E.H.L., see Menezes, L. de S. 377 (2003) 647
- Fang, Q., see Cui, Y.Z. 377 (2003) 507
- Feng, X., see Bao, N. 377 (2003) 119
- Feng, D., see He, M. 377 (2003) 13
- Filali-Mouhim, A., see Meesungnoen, J. 377 (2003) 419
- Finkenzeller, W.J. and H. Yersin, Emission of Ir(ppy)₃. Temperature dependence, decay dynamics, and magnetic field properties 377 (2003) 299
- Fischer, M., see Kim, Y.D. 377 (2003) 170
- Fišer, J., see Polák, R. 377 (2003) 564
- Freiberg, A., see Rätsep, M. 377 (2003) 371
- Freyland, W., see Mukhopadhyay, I. 377 (2003) 223
- Fu, A., D. Du and Z. Zhou, Density functional theory study of the hydrogen bonding interaction of 1:1 complexes of formamide with methanol 377 (2003) 537

- Fuentealba, P., see Santos, J.C. 377 (2003) 449
Fuess, H., see Balevicius, V. 377 (2003) 530
Fujii, R., see Kodama, T. 377 (2003) 197
- Gallazzi, M.C., see D'Amore, F. 377 (2003) 243
Ganteför, G., see Kim, Y.D. 377 (2003) 170
Gerbaud, G., F. Ziarelli and S. Caldarelli, Increasing the robustness of heteronuclear decoupling in magic-angle sample spinning solid-state NMR 377 (2003) 1
Gervais, C., see Hulliger, J. 377 (2003) 340
Giavani, T., H. Bildsøe, J. Skibsted and H.J. Jakobsen, Determination of nitrogen chemical shift anisotropy from the second-order cross-term in ^{14}N MAS NMR spectroscopy 377 (2003) 426
Glerup, M., H. Kanzow, R. Almairac, M. Castignolles and P. Bernier, Synthesis of multi-walled carbon nanotubes and nano-fibres using the aerosol method with metal-ions as the catalyst precursors 377 (2003) 293
Goddard III, W.A., see Molinero, V. 377 (2003) 469
Gondal, M.A., A. Dastgeer, Z.H. Yamani and A. Arfaj, Investigation of stimulated Raman scattering of ν_1 and ν_2 modes in CH_4 377 (2003) 249
Gress, H., see Jung, J.M. 377 (2003) 495
Guo, G., see Chen, R. 377 (2003) 205
Guo, H., see Xu, D. 377 (2003) 582
Guo, Z.-X., see Li, X. 377 (2003) 32
- Hadjiivanov, K., A. Penkova, M. Daturi, J. Saussey and J.-C. Lavalley, FTIR spectroscopic study of low-temperature co-adsorption of NO and O_2 on H-ZSM-5: evidence of formation of $[\text{ONNO}]^+$ species 377 (2003) 642
Halder, A., see Dutta, P. 377 (2003) 229
Hansen, F.Y., see Mo, H. 377 (2003) 99
Hanumantha Rao, K., see Kundu, T.K. 377 (2003) 81
He, M., F. Zhu, D. Feng and Z. Cai, Quantum chemical study of alcoholysis mechanism of 1,2-thiazetidine 1,1-dioxide 377 (2003) 13
He, H., see Zhu, K. 377 (2003) 317
Held, G., see Ammon, Ch. 377 (2003) 163
Herz, L.M., see Johnston, M.B. 377 (2003) 256
Ho, K.M., see Tang, M. 377 (2003) 413
Hong, J.P., see Kim, H.-M. 377 (2003) 491
Horii, F., see Kaji, H. 377 (2003) 322
Hoyle, R.B., see Irurzun, I.M. 377 (2003) 269
Hu, Y.F., see Tang, Y.H. 377 (2003) 672
Hulliger, J., M. Losada, C. Gervais, T. Wüst and F. Budde, Effects of an external electrical field on the polarization of growing organic crystals: a theoretical study 377 (2003) 340
- Ikemoto, I., see Kodama, T. 377 (2003) 197
Ikeshoji, T., see Okamoto, Y. 377 (2003) 236
Irurzun, I.M., R.B. Hoyle, M.R.E. Proctor and D.A. King, Modelling pattern formation in $\text{CO} + \text{O}_2$ on $\text{Pt}\{100\}$ 377 (2003) 269
Itoh, T., Fluorescence spectrum of α,ω -diphenyltetradecaheptaene in a rigid matrix at 77 K 377 (2003) 577

- Jackson, G., see Varga, S. 377 (2003) 6
- Jakobsen, H.J., see Giavani, T. 377 (2003) 426
- Jay-Gerin, J.-P., see Meesungnoen, J. 377 (2003) 419
- Jeon, S.-J., see Zhang, B.J. 377 (2003) 210
- Ji, Y., see Zhang, H. 377 (2003) 654
- Jin, S., see Zhu, K. 377 (2003) 317
- Johnston, M.B., L.M. Herz, A.L.T. Khan, A. Köhler, A.G. Davies and E.H. Linfield,
Low-energy vibrational modes in phenylene oligomers studied by THz time-domain
spectroscopy 377 (2003) 256
- Ju, X., see Kurahashi, M. 377 (2003) 519
- Jung, J.M. and H. Gress, Single-photon absorption of liquid cyclohexane, 2,2,4
trimethylpentane and tetramethylsilane in the vacuum ultraviolet 377 (2003) 495
- Kaji, H. and F. Horii, Sine-modulated two-dimensional pure exchange solid-state
NMR as a tool for characterizing dynamics in solids 377 (2003) 322
- Kang, T.W., see Kim, H.-M. 377 (2003) 491
- Kano, S.S., see Katano, S. 377 (2003) 601
- Kano, S.S., see Kubota, J. 377 (2003) 217
- Kanzow, H., see Glerup, M. 377 (2003) 293
- Karplus, M., see Bitetti-Putzer, R. 377 (2003) 633
- Katano, S., S. Dobashi, J. Kubota, K. Onda, A. Wada, S.S. Kano and K. Domen,
Structural change of CO adsorbed on Pt(111) by laser heating: time-resolved sum-
frequency generation study 377 (2003) 601
- Katayama, K., see Yamaguchi, M. 377 (2003) 589
- Katsyuba, S. and E. Vandyukova, Scaled quantum mechanical computations of
vibrational spectra of organoelement molecules, containing the atoms P, S, and
Cl 377 (2003) 658
- Kauranen, M., see Cattaneo, S. 377 (2003) 306
- Kawai, Y., see Yamaguchi, S. 377 (2003) 37
- Kawai, Y., S. Yamaguchi, Y. Okada, K. Takeuchi, Y. Yamauchi, S. Ozawa and H.
Nakai, Reactions of protonated water clusters $H^+(H_2O)_n$ ($n = 1-6$) with dimethyl-
sulfoxide in a guided ion beam apparatus 377 (2003) 69
- Kettler, M., see Vörtler, H.L. 377 (2003) 557
- Khamatgalimov, A.R., see Kovalenko, V.I. 377 (2003) 263
- Khan, A.L.T., see Johnston, M.B. 377 (2003) 256
- Kho, R., see Tiseanu, C. 377 (2003) 131
- Kikuchi, K., see Kodama, T. 377 (2003) 197
- Kim, K.-R. and D.J. Lee, The critical phase changes of a forward-scattered light in an
isotropic chiral fluid 377 (2003) 60
- Kim, K., I. Lee and S.J. Lee, Photolytic reduction of 4-nitrobenzenethiol on Au
mediated via Ag nanoparticles 377 (2003) 201
- Kim, Y.D., M. Fischer and G. Ganteför, Origin of unusual catalytic activities of
Au-based catalysts 377 (2003) 170
- Kim, H.-M., T.W. Kang, K.S. Chung, J.P. Hong and W.B. Choi, Field emission
displays of wide-bandgap gallium nitride nanorod arrays grown by hydride vapor
phase epitaxy 377 (2003) 491
- King, D.A., see Irurzun, I.M. 377 (2003) 269
- Kislyuk, V.V., see Dimitriev, O.P. 377 (2003) 149

- Kitamura, K., see Takashima, H. 377 (2003) 43
Kitamura, K., see Xue, D. 377 (2003) 475
Kobayashi, K., S. Nagase and K.-P. Dinse, A theoretical study of spin density distributions and isotropic hyperfine couplings of N and P atoms in N@C₆₀, P@C₆₀, N@C₇₀, N@C₆₀(CH₂)₆, and N@C₆₀(SiH₂)₆ 377 (2003) 93
Kodama, T., R. Fujii, Y. Miyake, K. Sakaguchi, H. Nishikawa, I. Ikemoto, K. Kikuchi and Y. Achiba, Structural study of four Ca@C₈₂ isomers by ¹³C NMR spectroscopy 377 (2003) 197
Köhler, A., see Johnston, M.B. 377 (2003) 256
Koslowski, T., see Rateitzak, M. 377 (2003) 455
Kovalenko, V.I. and A.R. Khamatgalimov, Open-shell fullerene C₇₄: phenalenyl-radical substructures 377 (2003) 263
Krupska, A., see Augustyniak-Jabłokow, M.A. 377 (2003) 137
Kubota, J., see Katano, S. 377 (2003) 601
Kubota, J., A. Wada, S.S. Kano and K. Domen, Time-resolved study of D₂O ice crystal on CO/Pt(111) by ultra-short NIR laser pumping: melting and recrystallization without desorption 377 (2003) 217
Kudoh, S., see Yamaguchi, S. 377 (2003) 37
Kumke, M., see Tiseanu, C. 377 (2003) 131
Kummer, A. and R. Ocone, A metabolic thermodynamic theory of cell cycle 377 (2003) 627
Kundu, T.K., K. Hanumantha Rao and S.C. Parker, Atomistic simulation of the surface structure of wollastonite 377 (2003) 81
Kurahashi, M., T. Suzuki, X. Ju and Y. Yamauchi, A metastable-atom deexcitation spectroscopy (MDS) study of water adsorption on Cu(100): a new feature at around the Fermi level 377 (2003) 519
Kustova, E.V., E.A. Nagnibeda, T.Yu. Alexandrova and A. Chikhaoui, Non-equilibrium dissociation rates in expanding flows 377 (2003) 663
Kuwahara, D., Simulations of the ¹³C-¹⁴N REDOR NMR experiments performed with a frequency-sweep ¹⁴N overtone pulse 377 (2003) 20
Lanata, M., see D'Amore, F. 377 (2003) 243
Larson, C.E., see Fajtlowicz, S. 377 (2003) 485
Lau, S.P., see Wang, Y.G. 377 (2003) 329
Lavalley, J.-C., see Hadjivanov, K. 377 (2003) 642
Lee, C.J., see Liu, B.C. 377 (2003) 55
Lee, D.J., see Kim, K.-R. 377 (2003) 60
Lee, I., see Kim, K. 377 (2003) 201
Lee, S.H., see Liu, B.C. 377 (2003) 55
Lee, S.J., see Kim, K. 377 (2003) 201
Lee, T.J., see Liu, B.C. 377 (2003) 55
Lei, H., see Cui, Y.Z. 377 (2003) 507
Lemmetyinen, H., see Cattaneo, S. 377 (2003) 306
Li, X., L. Liu, Y. Qin, W. Wu, Z.-X. Guo, L. Dai and D. Zhu, C₆₀ modified single-walled carbon nanotubes 377 (2003) 32
Lin, J.L. and W.B. Tzeng, Mass analyzed threshold ionization spectroscopy of 1-methylindole cation 377 (2003) 620
Linfield, E.H., see Johnston, M.B. 377 (2003) 256
Linsley, A.R., see Parkes, A.M. 377 (2003) 439

- Liu, B.C., T.J. Lee, S.H. Lee, C.Y. Park and C.J. Lee, Large-scale synthesis of high-purity well-aligned carbon nanotubes using pyrolysis of iron(II) phthalocyanine and acetylene 377 (2003) 55
- Liu, L., see Li, X. 377 (2003) 32
- López-Ramírez, M.R., see López-Tocón, I. 377 (2003) 111
- López-Tocón, I., S.P. Centeno, J.L. Castro, M.R. López-Ramírez and J.C. Otero, Photoinduced charge transfer processes in the surface-enhanced Raman scattering of 2,4,6-trimethylpyridine recorded on silver electrode 377 (2003) 111
- Losada, M., see Hulliger, J. 377 (2003) 340
- Lu, E., see Mo, H. 377 (2003) 99
- Lu, Q., see Lu, X. 377 (2003) 433
- Lu, W., see Tang, M. 377 (2003) 413
- Lu, X., see Bao, N. 377 (2003) 119
- Lu, X., Q. Lu, Z. Zhu, J. Yin and Z. Wang, Liquid crystal alignment on periodic microstructure induced by single-beam 532 nm polarized laser illumination on poly (urethane-imide) film 377 (2003) 433
- Ma, R. and Y. Bando, In–Ni microballs catalyzed growth of dense and highly aligned silica nanowires 377 (2003) 177
- Ma, X., see Zhang, H. 377 (2003) 654
- Mankhetkorn, S., see Meesungnoen, J. 377 (2003) 419
- Manos, G., see Dunne, L.J. 377 (2003) 551
- Margadonna, S., see Papagelis, K. 377 (2003) 125
- Märk, T.D., see Denifl, S. 377 (2003) 74
- Márquez Cruz, A., see Espinosa-García, J. 377 (2003) 613
- Martín, I., see Velasco, A.M. 377 (2003) 189
- Martínez, E., see Aranda, A. 377 (2003) 571
- Martin, R.W., see Sakellariou, D. 377 (2003) 333
- Maruyama, S., see Murakami, Y. 377 (2003) 49
- Matejcik, S., see Denifl, S. 377 (2003) 74
- Matsushima, T., see Rzeźnicka, I. 377 (2003) 279
- Mayor, E., see Velasco, A.M. 377 (2003) 189
- McDowell, S.A.C., Intermolecular complexes of HArF and HF 377 (2003) 143
- Meesungnoen, J., A. Filali-Mouhim, N.S.N. Ayudhya, S. Mankhetkorn and J.-P. Jay-Gerin, Multiple ionization effects on the yields of HO_2/O_2^- and H_2O_2 produced in the radiolysis of liquid water with high-LET $^{12}\text{C}^{6+}$ ions: a Monte-Carlo simulation study 377 (2003) 419
- Mehra, R.K., see Tiseanu, C. 377 (2003) 131
- Mera, Y.D. de, see Aranda, A. 377 (2003) 571
- Meriles, C.A., see Sakellariou, D. 377 (2003) 333
- Miceli, P., see Mo, H. 377 (2003) 99
- Miller, R.E., see Douberly, G.E. 377 (2003) 384
- Miyake, Y., see Kodama, T. 377 (2003) 197
- Miyauchi, Y., see Murakami, Y. 377 (2003) 49
- Mo, H., H. Taub, U.G. Volkmann, M. Pino, S.N. Ehrlich, F.Y. Hansen, E. Lu and P. Miceli, A novel growth mode of alkane films on a SiO_2 surface 377 (2003) 99
- Mochizuki, Y., see Okamoto, Y. 377 (2003) 236

- Molinero, V., T. Çağın and W.A. Goddard III, Sugar, water and free volume networks in concentrated sucrose solutions 377 (2003) 469
- Morikawa, Y., see Okamoto, Y. 377 (2003) 236
- Mukherjee, S., see Dutta, P. 377 (2003) 229
- Mukhopadhyay, I. and W. Freyland, Thickness induced metal–nonmetal transition in ultrathin electrodeposited Ge films 377 (2003) 223
- Murakami, Y., Y. Miyauchi, S. Chiashi and S. Maruyama, Direct synthesis of high-quality single-walled carbon nanotubes on silicon and quartz substrates 377 (2003) 49
- Nagase, S., see Kobayashi, K. 377 (2003) 93
- Nagnibeda, E.A., see Kustova, E.V. 377 (2003) 663
- Nakai, H., see Kawai, Y. 377 (2003) 69
- Narita, I. and T. Oku, Direct high-resolution electron microscopy of BN nanotubes with hexagonal zigzag network 377 (2003) 354
- Nauta, K., see Douberly, G.E. 377 (2003) 384
- Nishikawa, H., see Kodama, T. 377 (2003) 197
- Ocone, R., see Kummer, A. 377 (2003) 627
- Okada, Y., see Yamaguchi, S. 377 (2003) 37
- Okada, Y., see Kawai, Y. 377 (2003) 69
- Okamoto, Y., O. Sugino, Y. Mochizuki, T. Ikeshoji and Y. Morikawa, Comparative study of dehydrogenation of methanol at Pt(111)/water and Pt(111)/vacuum interfaces 377 (2003) 236
- Oku, T., see Narita, I. 377 (2003) 354
- Onda, K., see Katano, S. 377 (2003) 601
- Orii, T., see Yamaguchi, S. 377 (2003) 37
- Orr-Ewing, A.J., see Parkes, A.M. 377 (2003) 439
- Oswald, R., see Botschwina, P. 377 (2003) 156
- Otero, J.C., see López-Tocón, I. 377 (2003) 111
- Ozawa, S., see Kawai, Y. 377 (2003) 69
- Papagelis, K., J. Arvanitidis, K. Prassides and S. Margadonna, Inelastic neutron scattering study of the intermolecular vibrational modes of Ba₄C₆₀ 377 (2003) 125
- Park, C.Y., see Liu, B.C. 377 (2003) 55
- Parker, S.C., see Kundu, T.K. 377 (2003) 81
- Parkes, A.M., A.R. Linsley and A.J. Orr-Ewing, Absorption cross-sections and pressure broadening of rotational lines in the 3v₃ band of N₂O determined by diode laser cavity ring-down spectroscopy 377 (2003) 439
- Pellenq, R.-M., see Challet, S. 377 (2003) 544
- Peng, L.-M., see Du, G.H. 377 (2003) 445
- Penkova, A., see Hadjiivanov, K. 377 (2003) 642
- Pines, A., see Sakellariou, D. 377 (2003) 333
- Pino, M., see Mo, H. 377 (2003) 99
- Polák, R. and J. Fišer, On the behavior of the low-lying ²Σ⁺ electronic states of NO 377 (2003) 564
- Prassides, K., see Papagelis, K. 377 (2003) 125
- Proctor, M.R.E., see Irurzun, I.M. 377 (2003) 269
- Ptasinska, S., see Denifl, S. 377 (2003) 74

- Qin, Y., see Li, X. 377 (2003) 32
- Qu, Z.-W., H. Zhu and R. Schinke, The ultra-violet photodissociation of ozone revisited 377 (2003) 359
- Rateitzak, M. and T. Koslowski, Mean-field approach to extended Su–Schrieffer–Heeger models 377 (2003) 455
- Rätsep, M. and A. Freiberg, Resonant emission from the B870 exciton state and electron–phonon coupling in the LH2 antenna chromoprotein 377 (2003) 371
- Renge, I., Thermal hole shifts in the optical spectra of a dye-doped amorphous polymer 377 (2003) 286
- Resasco, D.E., see Sakulchaicharoen, N. 377 (2003) 377
- Rio, C.M.A., see Brandão, J. 377 (2003) 523
- Robert Huber, J., Comment on Chem. Phys. Lett. 371 (2003) 568: Barrier height for dissociation of acetaldehyde, $\text{CH}_3\text{CHO} \rightarrow \text{CH}_3 + \text{HCO}$, in the triplet state T_1 377 (2003) 481
- Rodríguez, D., see Aranda, A. 377 (2003) 571
- Rodríguez, A., see Aranda, A. 377 (2003) 571
- Rouhento, C., see Cattaneo, S. 377 (2003) 306
- Ryba-Romanowski, W. and P. Solarz, Unusual electron–phonon coupling in $\text{K}_5\text{Li}_2\text{SmF}_{10}$ 377 (2003) 27
- Rzeźnicka, I. and T. Matsushima, Active phase for inclined CO_2 desorption on Rh(1 1 0) in steady-state CO oxidation 377 (2003) 279
- Sakaguchi, K., see Kodama, T. 377 (2003) 197
- Sakellariou, D., C.A. Meriles, R.W. Martin and A. Pines, High-resolution NMR of anisotropic samples with spinning away from the magic angle 377 (2003) 333
- Sakulchaicharoen, N. and D.E. Resasco, Temperature dependence of the quality of silicon nanowires produced over a titania-supported gold catalyst 377 (2003) 377
- Sancho-García, J.C., J.L. Brédas and J. Cornil, Assessment of the reliability of the Perdew–Burke–Ernzerhof functionals in the determination of torsional potentials in π -conjugated molecules 377 (2003) 63
- Santos, J.C. and P. Fuentealba, Theoretical characterization of linear $[n]$ -ladderanes and some isomers 377 (2003) 449
- Saussey, J., see Hadjiivanov, K. 377 (2003) 642
- Sawada, T., see Yamaguchi, M. 377 (2003) 589
- Scheier, P., see Denifl, S. 377 (2003) 74
- Schinke, R., see Qu, Z.-W. 377 (2003) 359
- Sen, S., see Dutta, P. 377 (2003) 229
- Sen, P., see Dutta, P. 377 (2003) 229
- Shang, S.X., see Yao, W.F. 377 (2003) 501
- Shen, L., see Bao, N. 377 (2003) 119
- Skibsted, J., see Giavani, T. 377 (2003) 426
- Solarz, P., see Ryba-Romanowski, W. 377 (2003) 27
- Steer, R.P., see Yeow, E.K.L. 377 (2003) 391
- Steinrück, H.-P., see Ammon, Ch. 377 (2003) 163
- Sugino, O., see Okamoto, Y. 377 (2003) 236
- Sun, L., Y. Bu and S. Yan, Structure analysis of SiSO^+ and GeSO^+ systems in doublet state at density functional theory and wavefunction-correlated levels 377 (2003) 462
- Sun, H., see Cho, S. 377 (2003) 406
- Suzuki, T., see Kurahashi, M. 377 (2003) 519

- Takashima, H. and K. Kitamura, Rapid computation of all sets of electron-repulsion integrals for large-scale molecules 377 (2003) 43
- Takeuchi, K., see Yamaguchi, S. 377 (2003) 37
- Takeuchi, K., see Kawai, Y. 377 (2003) 69
- Tang, M., W. Lu, C.Z. Wang and K.M. Ho, Search for most stable structure of Si_8H_8 cluster 377 (2003) 413
- Tang, Y., see Chen, R. 377 (2003) 205
- Taub, H., see Mo, H. 377 (2003) 99
- Tay, B.K., see Wang, Y.G. 377 (2003) 329
- Terabe, K., see Xue, D. 377 (2003) 475
- Tiseanu, C., R.K. Mehra, R. Kho and M. Kumke, Optical properties of terbium-doped thiosalicylic-capped CdS nanocrystals 377 (2003) 131
- Tzeng, W.B., see Lin, J.L. 377 (2003) 620
- Vandyukova, E., see Katsyuba, S. 377 (2003) 658
- Varga, S. and G. Jackson, Simulation of the macroscopic pitch of a chiral nematic phase of a model chiral mesogen 377 (2003) 6
- Velasco, A.M., E. Mayor and I. Martín, Intensity calculations of the VUV and UV photoabsorption and photoionisation of CF_3Cl 377 (2003) 189
- Vesovic, V., S. Bock, E. Bich, E. Vogel and A.S. Dickinson, Testing the Mason–Monchick approximation for the calculation of the viscosity of carbon dioxide 377 (2003) 106
- Vogel, E., see Vesovic, V. 377 (2003) 106
- Volkman, U.G., see Mo, H. 377 (2003) 99
- Vörtler, H.L. and M. Kettler, Computer simulation of chemical potentials of primitive models of water 377 (2003) 557
- Vuorimaa, E., see Cattaneo, S. 377 (2003) 306
- Wada, A., see Kubota, J. 377 (2003) 217
- Wada, A., see Katano, S. 377 (2003) 601
- Wang, C.Z., see Tang, M. 377 (2003) 413
- Wang, H., see Yao, W.F. 377 (2003) 501
- Wang, J., see Xue, D. 377 (2003) 475
- Wang, M., see Yao, W.F. 377 (2003) 501
- Wang, R.H., see Du, G.H. 377 (2003) 445
- Wang, W., A.K. Belyaev, Y. Xu, A. Zhu, C. Xiao and X.-F. Yang, Observations of H_3^- and D_3^- from dielectric barrier discharge plasmas 377 (2003) 512
- Wang, Y.G., C. Yuen, S.P. Lau, S.F. Yu and B.K. Tay, Ultraviolet lasing of ZnO whiskers prepared by catalyst-free thermal evaporation 377 (2003) 329
- Wang, Z., see Lu, X. 377 (2003) 433
- Witkoskie, J.B., see Yang, S. 377 (2003) 399
- Wu, S., see Xue, D. 377 (2003) 475
- Wu, W., see Li, X. 377 (2003) 32
- Wüst, T., see Hulliger, J. 377 (2003) 340
- Xiao, C., see Wang, W. 377 (2003) 512
- Xie, S., see Zhu, K. 377 (2003) 317
- Xu, D., H. Guo, S. Zou and J.M. Bowman, A scaled ab initio potential energy surface for acetylene and vinylidene 377 (2003) 582

- Xu, D., see Chen, R. 377 (2003) 205
- Xu, J., see Zhang, H. 377 (2003) 654
- Xu, X.H., see Yao, W.F. 377 (2003) 501
- Xu, Y., see Wang, W. 377 (2003) 512
- Xue, G., see Cui, Y.Z. 377 (2003) 507
- Xue, D., S. Wu, Y. Zhu, K. Terabe, K. Kitamura and J. Wang, Nanoscale domain switching at crystal surfaces of lithium niobate 377 (2003) 475
- Yamaguchi, S., S. Kudoh, Y. Kawai, Y. Okada, T. Orii and K. Takeuchi, Collisional reaction of water cluster cations $(\text{H}_2\text{O})_n^+$ ($n=2$ and 3) with D_2O 377 (2003) 37
- Yamaguchi, M., K. Katayama and T. Sawada, Lens-free heterodyne transient grating method for dynamics measurement of photoexcited species in liquid 377 (2003) 589
- Yamaguchi, S., see Kawai, Y. 377 (2003) 69
- Yamani, Z.H., see Gondal, M.A. 377 (2003) 249
- Yamauchi, Y., see Kurahashi, M. 377 (2003) 519
- Yamauchi, Y., see Kawai, Y. 377 (2003) 69
- Yan, S., see Sun, L. 377 (2003) 462
- Yanagisawa, K., see Bao, N. 377 (2003) 119
- Yang, D., see Zhang, H. 377 (2003) 654
- Yang, S., D.V. Daineka and M. Châtelet, Experimental investigations of size distribution through large van der Waals cluster beam cross-section 377 (2003) 595
- Yang, S., J.B. Witkoskie and J. Cao, First-principle path integral study of DNA under hydrodynamic flows 377 (2003) 399
- Yang, W., see Bitetti-Putzer, R. 377 (2003) 633
- Yang, X.-F., see Wang, W. 377 (2003) 512
- Yang, X.N., see Yao, W.F. 377 (2003) 501
- Yao, W.F., H. Wang, X.H. Xu, J.T. Zhou, X.N. Yang, Y. Zhang, S.X. Shang and M. Wang, Sillenites materials as novel photocatalysts for methyl orange decomposition 377 (2003) 501
- Yeow, E.K.L. and R.P. Steer, Energy transfer involving higher electronic states: a new direction for molecular logic gates 377 (2003) 391
- Yersin, H., see Finkenzeller, W.J. 377 (2003) 299
- Yin, J., see Lu, X. 377 (2003) 433
- Yu, S.F., see Wang, Y.G. 377 (2003) 329
- Yu, W.T., see Cui, Y.Z. 377 (2003) 507
- Yu, Y., see Du, G.H. 377 (2003) 445
- Yue, B., see Zhu, K. 377 (2003) 317
- Yuen, C., see Wang, Y.G. 377 (2003) 329
- Zerbi, G., see D'Amore, F. 377 (2003) 243
- Zhang, B.J. and S.-J. Jeon, Two-photon properties of bis-1,4-(*p*-diarylaminoethyl)-2,5-dicyanobenzene derivatives: two-photon cross-section tendency in multi-branched structures 377 (2003) 210
- Zhang, H., X. Ma, Y. Ji, J. Xu and D. Yang, Single crystalline CdS nanorods fabricated by a novel hydrothermal method 377 (2003) 654
- Zhang, Q., see Zhu, J. 377 (2003) 184
- Zhang, X., see Zhu, K. 377 (2003) 317
- Zhang, Y., see Yao, W.F. 377 (2003) 501
- Zhou, J.T., see Yao, W.F. 377 (2003) 501

- Zhou, W., see Du, G.H. 377 (2003) 445
Zhou, W., see Zhu, K. 377 (2003) 317
Zhou, Z., see Fu, A. 377 (2003) 537
Zhu, A., see Wang, W. 377 (2003) 512
Zhu, D., see Li, X. 377 (2003) 32
Zhu, F., see He, M. 377 (2003) 13
Zhu, H., see Qu, Z.-W. 377 (2003) 359
Zhu, J., Z. Cao and Q. Zhang, Theoretical study on reactions of O_3^+ and N_2 : novel routes to dinitrogen bond activation 377 (2003) 184
Zhu, K., H. He, S. Xie, X. Zhang, W. Zhou, S. Jin and B. Yue, Crystalline WO_3 nanowires synthesized by templating method 377 (2003) 317
Zhu, Y., see Xue, D. 377 (2003) 475
Zhu, Y.-C. and Y. Bando, Preparation and photoluminescence of single-crystal zinc selenide nanowires 377 (2003) 367
Zhu, Z., see Lu, X. 377 (2003) 433
Ziarelli, F., see Gerbaud, G. 377 (2003) 1
Zou, S., see Xu, D. 377 (2003) 582